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# Scope

W6NWG

## Palomar Amateur Radio Club Inc.

**Post Office Box 73, Vista, California 92085-0073**

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SEPTEMBER ***** 1993 ** 57 YEARS OLD
%%%%%%%%%%%%%% Volume XIX, Nunber 9
%%%%%% Published every month by PARC
%%%%%%% An ARRL Special Service Club
%%%%%%% WAS= 1 WAC=__ DXCC=__
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SEPTEMBER 1st Meeting (WEDNESDAY) Coffee 7:00pm and Meeting at 7:30 pm Carlsbad Safety Center, Palomar Airport road to Camino Real, East on Faraday 1/4 mile, left to Carlsbad Safety Center, Thomas B. pg. 14, F6. Talk-in 146.730, 147.075 and 147.130

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PARC FREQUENCIES USED:

* = PATCHES on Palomar Mt. Repeaters Covering 2,000 sq. miles of SDCo
** = PATCH, local Vista / Fallbrook
%% = W6NWG, PARC, trustee Ron-WI6B (107.2 Hz used for all PL's)

OPEN REPEATERS, CLOSED AUTOPATCHES

Load ur memories with the following PARC frequencies listed:

145.050 Packet, W6NWG / "PALMAR" %%
146.175+, **PATCH, PLed, Art-WA6IPD Fallbrook and local area
146.520s, ARRL National Simplex Freq
146.535s, Palomar Amateur RC Simplex
2m Simplex Emergency Portable Rpt.
146.700-, RTTY, PLed, IN = OUT %%
146.730-, (*PATCH,PL), Palomar.Mt.%%
147.075+, *PATCH, PL, Palomar Mt. %%
147.130+, *PATCH, PL), Erik-KA6UAI Palomar Mountain
224.900-, PL, Palomar Mt, 220 ClubSD WD6HFR, Palomar Mountain
METROLINK, Packet link, 9600 baud %%
446.000s, National Simplex Frequency
449.425-, *PATCH, PL, Palomar Mt. %%

AUTOPATCH OUTLET CENTERS:

WB6FMT-VSTA; WV6Z-MMSA
WA6IPD-FBRK; N6IZW-LMSA

%%%%%%%%% C A L E N D A R %%%%%%%%%

Aug.29 Sun.SANDARC Ham Radio Roundup
Aug.31 SANDRAnovice/technician Class
Sep. 1 Wed. Palomar ARC Club Meeting
Sep. 6 Palomar Mt. Fire Dept. BBQ 11am to dusk, Rd S7 / E.Grade
Sep. 9 Thursday PARC Board Meeting
Sep.11 Saturday PARC VE Carlsbad SC
Sep.11 Oceanside Ham Swap Meet, Rd76
Oct. -------SET EXERCISES---------
Oct. 9 Sweaters for homeless pickup
Oct.17 Sunday PalomarARC Club Picnic
Nov. 1 PARC General Class License
Nov. ? Field Day 5A winner in QST ??

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- NEXT CLUB MEETING -

Art McBride-KC6UQH, VP and program chairman, has announced that the next club meeting will be Dr. Woo Paik, KE6YC, from General Instrument Corporation talking on HIGH DEFINITION TELEVISION.

SHOW and TELL will feature whatever you bring. Talk to Art-KC6UQH before the meeting starts to reserve a time slot for your SHOW & TELL item(s).

W A N T to be a H A M ?
(or Dial-a-Ham)

If you or a friend are interested in becoming an amateur radio operator and/or in joining PARC, please contact one of the ELMERS listed:

*** E L M E R S ***

CARDIFF, . Duane-WB6R, 753-4821
CHULA VISTA, Steve-N6RUV, 422-4415
ESCONDIDO *** Harry-WA6YOO, 743-4212
***** PALOMAR AMATEUR RC PRESIDENT
La MESA, . Roger-N6UUW, 697-6025
LAKESIDE, . Mac-WB6GXR, 561-2211
RAMONA, . Vern-AA6UU, 789-3070
SAN DIEGO, . Dennis-N6KI, 271-6079
$AN MARCO$ ** Ralph-KC6WAN, 727-7415
********* PARC MEMBER$HIP CHAIRMAN
VISTA, . . . Jack-KI6JM, 598-0420
SAN MARCOS, Rusty-AA6OM, 747-5872 (Head of PARC VE testing program)

Besides calling one of the above amateurs, prospective amateurs ONLY can call 1-800-32-NEW-HAM at the Amateur Radio Relay League headquarters 8AM-5PM EST M-F in Newington, CT. for more information on amateur radio.

- LAST CLUB MEETING -

Attendance was 104 members, 7 guests, for a total attendance of 111. PLEASE COME EARLY and help set up chairs.

Another excellent meeting with Kerry Banke, N6IZW sharing how he demonstrated amateur radio to a class of students by contacting the space shuttle.

SHOW and TELL: whatever u bring!

Dennis-N6KI again had a table with junk and hard to find items with 10% going to the club. The dumb terminals (25) and modums found by Gary-KK6YB and donated to the club went fast netting the club over $500. Thanks Gary!

ART-KB6YHZ, & LARRY-AB6LY again supervised the drink and goodie table. Art brings the equipment and Larry and crew take care of the coffee and goodies. Members bringing in goodies were: AB6LY, KC6QBD, KM6P?Y, N6TCB, W6GIC, KD6YKX, N6QVW & N6KI.

The goodies were great and you were rewarded with "1" participation ticket each (not per cookie ..or twinkie)!

BOARD of D I R E C T O R S

BOARD MEMBERS present:
Pres : Harry Hodges, WA6YOO
VP : Art Mc Bride, KC6UQH
Treas: Benton Caldwell,KK6LX

Members: Ralph Powell,KC6WAN
SCOPE: Stan Rohrer, W9FQN
RTech: John Kuivinen, WB6IQS
Control(pkt): Tim Low, N6ZUC
- - - - - - - - - - - - - - -
- also present -
Consti: Jack Hanthorn, KI6JM
Training: Bill Smith, KB6MCU
Acting Secretary:
Sybil Allbright, W6GIC
- - - - - - - - - - - - - - -
ABSENT from board meeting-
Sec : Mike Garrison, WH6CH
W6NWGtrustee:RonWilhelmyWI6B

Club members are invited to attend these meetings to observe the Board of directors in action ..or non-action ..es (and) get an activity pt for attending! Harry's brownies were great.

DISCUSSED: Equip $2266, pre-pd $8,172, Tot $10,300, 93-94 budget; picnic in Oct; FD expenses; SCOPE costs; Post Office Audit and changes made; SW Div Con w/WA6YOO taking W9FQN's place; yr end 758 members; sweaters; ham classes; TASMA; programs; repeater moves to new building; new stationary by Mike-WH6CH; new PARC brochures by Jo-KB6NMK and Terry-K3PXX.

APPROVED: $200 .5" heliax, $85 7/8" heliax, fittings $125; $80 controller; $400 lightning protection, $100 fittings; $50 transparencies.

Please contact one of the board members for more info.

- PRESIDENTIAL QRM -

WA6YOO 2435 Our Country Rd
Escondido, 92029, 743-4212

Did you see the story in this morning's paper headlines: "Hams to Pay $30 for FCC Licensse"? Or last week: "Government to Auction Radio Frequencies to Highest Bidder"? You say you didn't see anything like that? Well, you're right, there were no such stories, but it was not for the government's lack of trying.

Oh yes, in the Administrations' proposed Omnibus Budget Reconciliation Act, there was a section requiring Amateur Radio Operators to pay for their licenses. It would cost us $30 and that times the 600,000 Hams in the US of A would amount to a tidy sum of money to, ha ha, help reduce the deficit. More likely the money would have gone to finance some congressman's bid for reelection by building a highway to nowhere in his home district.

In other legislation it was proposed to auction off, to the highest bidder, radio spectrum, now the property of the military which the military is releasing during the drawdown. Other frequencies are being released by other government agencies. Now, this proposal sounds good on its face. Why not collect millions (maybe billions) for somethhing that we had been giving away free? Well, what the lawmakers didn't realize (or didn't care) is that much of this spectrum is shared by Hams! That means, that if the proposed legislation became law, Hams would have lost, perhaps forever, a lot of spectrum.

Why didn't this happen? Was it because the folks in our nation's capitol suddenly got good sense! Not hardly! It was because lawyers from the American Radio Relay League (ARRL) walked the halls of Congress and the Senate, talking to our legislators and their staffs, pointing out the good Hams do through public service, especially during disasters. They also pointed out that these millions of hours of public service is voluntary and doesn't cost the taxpayers a dime. By intensive lobbying the proposals were scrapped! Whew! Now we can all relax, right? Again, not hardly. These proposals will crop up again and again and the ARRL will go to bat for ALL of us.

What are you doing to see that these headlines do not become reality? What you should be doing is writing your congressman and senators explaining about Amateur Radio and the volunteer services we provide. And what else can you do? JOIN THE AMERICAN RADIO RELAY LEAGUE (ARRL)! Representing us in congress has a substantial cost and if you are not a member of ARRL you are getting a free ride. If you join ARRL through PARC, the club realizes $5.00. If you renew your membership, the club realizes $2.00. See any of the Club officers for an application form. Join the ARRL Today! Help save Amateur Radio.

73, Harry Hodges, WA6YOO

- R E C O G N I T I O N -

Garry-KK6YB for spotting some company equipment that was going to be thrown out. PARC via Garry, Dennis-N6KI, Dave-KC6VEC, and Art-KC6UQH was able to realize about $500 from the sale of some of the computer equipment: terminal units, modums, etc.

DICK-KC6QBD for several disks of A SUPER MORSE CODE PROGRAM for the IBM computer. =SK=

Eugene Zaluskey-K6IE's (SK) family for the donation of his equipment: SWAN-270 Cygnet, power supply, trap vertical, low pass filter, and CW keys. Eugene held an advanced class license and lived in San Marcos. He used to be a CW radio operator on salmon runs to Alaska starting his radio career at the tender age of 17. He must have sensed the end was near since he took down his last antenna at the age of 70 last year which was mounted on the roof. Tnx to Al Goeppenger-W6FXL for sending us a 1975 QSL card sent by Gene to W6VKT (member of a net Gene belonged to) along with a photo of Gene's shack. All items will be placed on display at the repeater site on Palomar Mountain. =SK= (K6IE is not N6IE - Ed)

JOE CRAIG-W6HLB for a large number of Field Day pictures and slides which were taken in the 50's and 60's. Wish some of you old timers would identify more of the OT hams in the pictures for us.

Jo-KB6NMK and Terry-K3PXX for the new club brochures. Jo did the computer design and Terry and the birds did the printing. The brochure really looks great.

- NEWSLETTER HELPERS -

for July 1993 SCOPE(12:30pm)
W6OLQ, John Tentor, billing
KI6JM, Jack Hanthorn,folding
QTH and refreshments
KC6WAN,Ralph Powell,printing

of labels, Giant Computer
KC6QBD, Dick Gearhart, folding
W6TFB, Lloyd Hunt, folding
KB6YHZ, Art Nye, folding
KB6YHY, Anita Nye, labels
Assoc. Bob McNally, folding
WA6YOO, Harry Hodges, Staples
W9FQN, Stan Rohrer, Editor,
PARC passed their Post Office audit!
THANKS TO RALPH-KC6WAN.

- E D I T O R -

Stan-W9FQN 30311 Circle R Ln
Valley Center, CA 92082-4806
749-0276, 11:30am or 9:45pm

If you left a message on my answering machine during the past month and I have not contacted you yet, please give me another call since my answering machine runneth over into the bit bucket.

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Saturday, September 4th the Palomar Mountain Volunteer Fire Dept. (PMVFD) is holding their deep pit beef barbecue from 11am till dusk at the intersection of S7 and crestline road on Palomar Mountain. Donations are $7 for adults and $3 for children.

Enjoy the tree-studded park setting, station house, farmers market, arts and craft booths, drawing antique car show, western music, auction and good food. The grand prize will be a seven foot spa and many other prizes will be given throughout the day. The purpose of the event is to raise funds to erect a new building to house the fire trucks and equipment prior to this winter.

This is an excellent opportunity for club members to do some good public relations on the mountain for amateur radio. Make sure you have your PARC badge on and ware your PARC cap. Be friendly to the natives ...who sometimes don't like all of those antennas spread out all over the mountain top. You might mention that we provided communications for Palomar Mountain fire crews and locals during the eleven days that the mountain burned in October of 1987. We had the only amateur radio repeater repeaters on the air during the entire fire (there was no electricity on the mountain for days). All AC, telephones, and almost all connercial repeaters were not available.

If there is another fire on Palomar Mountain like the 11 day fire of '78, we certainly could use their help ...and we need their goodwill. One of their members, Jim-KC6PAS, is a club member and also a member of PMVFD. There are approximately 350 fulltime residents on Palomar Mountain. Other club members who live on the mountain or work on it are Mike-AB6QT, Barbara-KD6ECD, Beth-KD6ECE, Dave-KD6EBY, John-K6QQ, and Diane-KC6PAR.

If there is any interest, we might be able to set you up with a visit to the repeater site.

- W O R K  P A R T I E S -

If you are on a work party, make sure that it is reported to the editor ASAP.

(7-25) JOHN-WB6IQS went to PM and inverted the RTTY tones.

(7-27) TERRY-K3PZZ (the Magic Man) printed up 2,250 copies of the 2nd edition of the club's blue PARC information folder.

(7-31) HARRY-WA6YOO, JERRY-N6TCB, JO-KB6NMK, JACK-KI6JM, BENTON-KK6LX, and RALPH-KC6WAN folded (2 folds) 2,250 PARC information folders in 2.5 hours.

(8-1) ART-KC6UQH worked on the 147.075 repeater to correct some minor problems and to track down an intermittent. He was assisted part of the afternoon by MIKE-AB6QT. There still appears to be a problem with the autopatch connection.

JOHN-WB6IQS assisted Art with some measurements concerning some desense problems and tried to correct the problem by switching the 146.73 repeater over to the left side of the tower and the 147.13 repeater over to the right side.

STAN-W9FQN assisted John in mounting the lightning "stripper" box to the side of the new building and in cutting a hole through the wall for the heliax (coax) to enter the building. Stan also mounted the new outdoor Motorola rack to its new cement foundation at the base of the tower. He also remounted the door locks which JERRY-WB6FMT was able to find keys for at a local Motorola shop. Stan also got ready the things needed for putting up the new emergency crankup pole which folds over and can be cranked to a height of 40 feet.

(8-8) ART-KC6UQH spent Saturday afternoon and early evening at the site working on the 147.075 repeater autopatch audio level going into the autopatch system. A few resistors were replaced and the circuit altered slightly resulting in more audio and more reliable operation.

Erik-KA6UAI worked on 147.13 which went off the air and finally decided to remove it from the mountain for more complete repairs. Everything was normal except for the finals of the transmitter not working.

## - R E P E A T E R S -

CONTROL OPS FOR REPEATERS and AUTOPATCHES:

WB6IQS/John/(A) W9FQN/Stan/(A)
WB6FMT/Jerry/(A) AB6LY/Larry/(A)
AB6QT/Mike/(A) KB5MU/Paul/(P)
N6ZUC/Tim/(P) WA6IPD/Art/(W)
KA6UAI/Erik/(K)

(A)=all repeaters except WA6IPD, (P)=pkt, (K)=147.130, (N)=W6NWG, and (W)=WA6IPD.

"The Fishing Hole"
at Oceanside Swap Meet
No 3. Row 14, Space 1&2

Calling all
"Fishing Hams"

SAVE
20-33%
National Brands at Discount Prices
Full line of tackle items.

We also have mail order fishing tackle at discount prices.
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Carlsbad, CA92018

W7HKI Larry
W7HKL Maxine

10% of all sales to PARC members goes to the club

This is an abreviated list of Control Ops while we go through some equipment control changes.

Control operators very seldom shut down the repeaters other than for repairs being done at the site. The repeaters could be shut down for some of the following reasons although control operators are reluctant to turn off the repeaters since they might be needed for an emergency call ..and it is difficul DFing without knowing whether the signal is still on the repeater:

violation of FCC Rules, ie.
---business, music
---improper language, etc
violation of PARC Standards
---SOUNDS like business
---discussions that might invite jamming
---improper use of rptr
---holding nets without without permission
improper Use of Autopatch
---SOUNDS like business
---avoiding phone charge
---improper subjects(s)
---making chit-chat calls
---talking too long

Don't be afraid to use the autopatch for a social call from your mobile or home station if it is a demonstration of amateur radio. Control operators sometimes make calls from their home stations to check on the autopatch system audi levels and access codes to see if there have been changes or problems in the system.

In the case of problem autopatches there is the possibility that nothing will be said to the amateur but the telephone number being called could be removed from the approved listing of phone numbers.

Control OPS are reluctant to sit in judgement of your calls but the club needs to be protected since the FCC is now assigning fines of up to $10,000 for stations not complying with their rules. =SK=

MOVEMENT OF REPEATERS: 146.73, 147.075, 147.13 & 449.425. These repeaters will be moved in stages over to the new building with 147.075 being moved first. Moving the repeaters will not be easy since they are all connected to the autopatch system and when moved they will also require new feedlines f their antennas on the towers sinc the old lines are burried in the ground from the old building. The

move could take several months but each individual repeater should only be off the air for an afternoon while the move is taking place.

The Board approved the following schedule for moving the autopatch repeaters to the new building:

1st Wk, move 147.075, no autopatch
2nd Wk, move patch, connect to .075
disconnect patches .13/.73/.225
3rd Wk, move 449.425, connect patch
4th Wk, move 147.130, connect patch
5th Wk, move 146.730, connect patch

We would like to start the move September 5th but this work schedule could be put off by weeks if we do not receive and install various items which have been ordered for the move.

There will probably be work parties on Palomar Mt. each Sunday of the above weeks and all the repeaters could be temporarily off the air during late morning and early Sunday afternoon hours. If you have free time, we have lots of work that you could help us with while the moves are being made.

Moving means that we will be going from (4) autopatches to (3) autopatches the 1st wk. The 2nd week there will be (1), the 3rd week (2), the 4th week (3), and after that back to the normal (4) autopatches. =SK=

We are having problems with interference generated someplace on the tower allowing the 147.13 repeater to get into the 147.075 repeater. The problem is being looked at and will possibly be solved when we put up the new cable for the repeaters as they are being moved. =SK=

There has been some talk of allowing Touch Tone calling during the day on the 146.7 RTTY repeater when not in use for RTTY. You would make your TT call, give your call, wait for a response, and then move to one of our other repeaters. In this way you would not bother anyone and you would have a relatively clear channel to make your call.

Anyone have any suggestions or comments about this idea? Contact W9FQN or any club officer. =SK=


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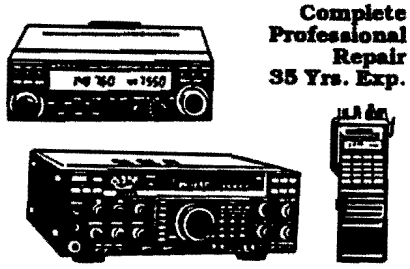
• CB RADIO
• MARINE RADIO
• TRANSCEIVER REPAIR

CALL
439-9715

Complete Professional Repair
35 Yrs. Exp.



RF REPAIRS & SERVICE
S.T.C.R. SHOP



Jennifer A. Thieme
KM6WG

Bookkeeper
Accountant

(619) 599-1134

770 Sycamore Ave. #J-126
Vista, California 92083


At present the 145.522 repeater on Santiago Peak between us an LA is having its problems with jamming, foul language, etc. Please do not talk about =THEIR= problems on OUR repeaters. It only invites that type of activity on =OUR= repeaters. Why? Well, you are showing interest in what is going on or disgust ..and that is what the jammers crave. Talk about the "bad guys" and they are sure to show up! It took years to get rid of problems which one of the San Diego groups had on their repeater. =SK=

## - A U T O P A T C H E S -

de W 9 F Q N

New members should request an AUTOPATCH INFORMATION SHEET describing codes & areas covered by sending a SELF ADDRESSED STAMPED ENVELOPE (SASE) to W9FQN (see Editor) with ur PHONE # & CITY ..or see me at the next meeting. =SK=

AUTOPATCH SHUT DOWN: During September and early Fall, PARC will be moving their autopatch system and the repeaters it is connected to over to the new building (see REPEATERS). Since the move could be over a period of months, we might have to shut down the autopatches on some of the repeaters.

a. the first repeater to be moved will be 147.075 and it will be the first one taken off of the Autopatch System (A.S.).

b. next the A.S. will be moved to the new building and connected to ONLY 147.075 and disconnected from .73, .13 & .425.

c. then, as time permits, we will move the other three autopatch repeaters one by one to the new building and connect them to the autopatch system in possibly the following order: 449.425, 146.73, and 147.13. The moves could take one weekend or several months depending upon the problems encountered and how fast we are able to get the work done. =SK=

My appologies for several times turning off the autopatch system or blocking the system from 147.13. When there are problems or suspected problems during the LATE evening-morning hours, the patch(s) are turned off ..and sometimes do not get turned back on right away. I have started sticking a YELLOW tag on the kitchen door to remind me of what I have done during the night ..or early morning hours! At first we thought the patches would be turned off at 11pm and back on at 7am but we have had so few problems that they have been left on all night since there was a control opertor on duty monitoring the calls. If it is playing around or SOUNDS like business, OFF THEY GO. =SK=

# FREE ADS FOR MEMBERS

- F O R E S A I L -

Yawl ketch on?

Phone or send ads to Editor's QTH, W9FQN, (see Editor) before the 20th of the month with ur NAME, CALL, Ph #, & CITY. Ads in this section R FREE to club members. Commercial ads are $40/page to $5 for business card size per month or 25c/line for commercial. Pse send ur cpy as you want it for a 36 space line.

SELLING the 54' heavy duty crank up tower (heavier duty than a W-51). Looks like it never has been used ..even by a little old lady. Has two cranks on it and needs one more for turning them. Club members 1st at $550: W9FQN for PARC 749 0276 VC.

(8-19) Operating package: TS-180S xcvr, PS-30 pwr sup, MC-50 desk mic $500 OBO; SWR/pwr meter Siltronix FS-1000A $35; GAP Ant $150: Janet KC6GFY 727 4078 Vista.

(8-10) all mint orig box; Yaesu FT-990 +2kc SSB filt + MD-1C8 Mic $1,800; Yaesu FT-2400H 2m xcvr $285; MFJ-99C delux 3kw ant tuner $225: Abe KC6UQA 432 8222.

(8-5) Kenwood PS940SAT w/Sure mic mint $1300; SB220 Linear Amp 2kw PEP 10-80m 2ea 3-500Z's exc $500; HM102 SWR meter $40; SB610 monitor scope exc $85; Johnson lowpass filter $15: RFKrist W6KTE 941 3555 Vista.

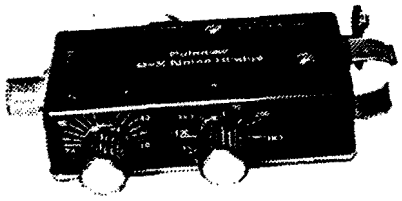
(7-8) Commodore C-64 computer complete ex cond monitor 2-drives 2-printers 80col card mem-exp card software RTTY interface, inst books all $200: Henry N6JWF 945 1247 Ocsd. GOOD WAY TO GET ON RTTY AND RUN CODE!

6-18) Drake w4 wattmeter .2-2kw scale $55; Tentec squez keyer $55; battery charger D-A-C cost $30 now $9; mobile 3.5"cone spkr $8;SCANNER R/S mobile + 110vac w/mt bracket w/out of area xtals UHF/VHF $20; E Voice Mic 674 W/stand & cord $25: Larry W7HKI 439 5855 Ocsd.

(6-16) Kenwood TS-130SE xcvr 80-10m + WARC, MC-50mic $400: Marvin WB6PKK wkd 597 5388 or eve747 2223.

(6-9) ICOM 2SAT 5w 48mem micro HT with Touch Tone, encoder & soft case; HT 100 channel scanner; Bearcat scanner; HT CB radio; mobile CB radio; all new or like new in original boxes: Chuck N5HTC 273 0406 LaJolla.


**R-X Noise Bridge**



- **Learn the truth about your antenna.**
- **Find its resonant frequency.**
- **Adjust it to your operating frequency quickly and easily.**

If there is one place in your station where you cannot risk uncertain results it is in your antenna.

The price is **$79.95** in the U.S. and Canada. Add $4.00 shipping/handling. California residents add sales tax.

**Send for FREE catalog describing the R-X Noise Bridge and our complete line of SWR Meters, Preamplifiers, Toroids, Baluns, VLF Converters, and Loop Antennas.**

**Palomar Engineers**

Box 455, Escondido, CA 92033
Phone: (619) 747-3343


(5-6) Realistic DX-100 rcvr .535-30MHz best offer or $45; Hammerlund HQ-110 rcvr $10; CB Sonor Mod "E" xcvr $5: Bob KC6VDX 758 9078 Vista.

(4-22) Collins KWM-2 w/pwr sup $550: Lou ND6W 437 8351 Coronado.

(2-4) G6-144B 2m ant 6db unused orig box $100; ICOM IC-24AT 2m/70cm HT, large BP-84S 1400maHr battery, BP-82 300maHr, wall charger, $400/offer: Mike WB6CSH 707 964 3567 (moved to Fort Bragg, CA).

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HIGHWAY ELECTRONICS: parts, (new/old),military.Ask 4NICK 967-7225 2 C if open(10-3pm) 305WISCONSIN AV.OCEANSIDE CA

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(2-25) LK-500ZC HF Amplifier $800: Bob 941 2824 Vista.

TUBES for sale ..all kinds ..all sizes ..part of PARC tube yard: Dave WA6HQM 753-2605 Encinitas.

## ########## WANTED ##########

"a few good men"

(7-17) Manual to be copied by me for Regency HR-2b FM xcvr: Stan W9FQN 749 0276 Vlly Ctr.

(6-18) Manual for HeathKit HW-101 or copy. Need help for new ham club: Larry W7HKI 439 5855 Ocsd.

(5-?) Model 28 dual speed RTTY: Dee N6ELP 753 5647.

(5-20) To share a booth at the ARRL SW Division Convention in Sept. at Ventura CA: Duane AA6EE 789 3674 Ramona.

(5-6) Old Callbooks '50-'80; 2 mobile xcvr: Duane AA6EE 789 3674 Ramona.

(4-30) Yaesu 757 Computer Interface: Tom KC6ZRW 943-0079 Encinitas.

(4-5) Need 730 or 520: Hod Luhn W6UCN/7 406 763 4576 Montanna.

(3-25) Swan MARC II linear for parts: Duane WB6R 753 4821 Cardif.

(3-25) ICOM pwr sup PS-35: Dennis N6KI 271 6079 Mira Mesa.

(3-1) Kenwood receiver R1000, R2000, Yaesu FRG8800, Drake R-8 etc: Henry Palmer 744 6187 San Marcos.

## S W A P  M E E T S/N E T S

OCEANSIDE: Meets on the 2nd Saturday of the month at the Oceanside Drive-In on Rd 76 (3480 Mission Ave.) between I-5 and El Camino Real. Talk-in on 146.730. Buyers 50c and sellers $13. If you are selling only a few items, you might want to double up with others to reduce your individual seller cost. You might also want to check with Harry-WA6YOO for any discount coupons he might have.

## - MEMBERSHIP -

Ralph-KC6WAN Vista 727-7415

NEW CLUB MEMBERS wanting confirmation of their membership and/or an autopatch information sheet should send W9FQN a self-addressed envelope (SASE) requesting same (see Editor's address). =SK=

Club membership rosters are published free in September or October of each year but are available to club members now for 25c at meetings (CALL 1ST) or 50c thru the mail. =SK=

As of 7-31-93 there were 758 members.

NEW/RENEWED:

- 5 years -

N6HV-Bob(75 now!)

- 4 years -

KD6HVN-Don.

- 3 years -

KD6YY-Bob, K6UV-Bernardini, WZ3P-Kane, W6BRF-Paul, KC6GFY-Janet, KK6OT-Barry, W6MVC-David, W2MRM-Steve, KD6MSQ-Stan.

- 2 years -

WB6TWY-Roy, W6EYP-Lincoln, KD6YG-Frank, K3DLX-Bob, KI6JM-Jack, WH6CH-Jim, K6YGK-George, N6URW-John, KD6HTC-George, N8NHY-James, KC6UAW-Riz, N6ZNE-Terry, KD6LDI-John, KC6MWR-Luttman, W6FTV-Mickelson, W6OYJ-Ed, N6WTE-James, KH6TL-Bill, N6UIA-Steve, K3FWT-Mark, KI6CP-Steve, KK6CD-Bruce, KM6DC-Earl, WB0YCQ-Berand, KN6IP-Mike, KD6SFK-Tony, W6CN-Bob, KC6TYV-Art, KC6TYU-Gary, KB6YHY-, KB6YHZ-, KN6BN-Tom, WA6YCK-Bill, NH6EW-Mac, KB6CPZ-Frank, AH8AD-Doc, AA6UU-Vern, KD6DPJ-Pat, WM6T-Aubra, AA6UQ-Jack, W3ARU-Pete, KD6KIK-Don, N6OPD-Clyde, N6QMI-John, N6KVN-Mary.

- 1 year -

KD6VPP-JulieE(7yrs old), KC6WRK-ScottE(9yrs old), KC6WRI-JeanineE(11yrs old), W6TXK-RonE(old enough), KD6FEU-Chas, WB2DZH-David, N6UWW-Ellen, KB0AUP-Greg, KD6BCU-Parviz, W6CGY-Leroy, N6UFA-Kelly, W6IUG-R.O., N6SWZ-Bob, AH6CW-Philip, AB6QT-Mike, KD6ECD-Barbara, KD6ECE-Beth, W6RWV-Wayne, N6NZX-Carl, KB6NZA-Mary, N6WVP-Ray, KM6LF-Chuck, KC6UQA-Abel, KM6MJ-David, KC6STS-Karyl, KD6AYF-KarYl, WB6CSH-Hamann, W6INI-Art, Ruben-Twsejo, K6PUN-Doug, KD6VND-Bill, John-Prelgovisk, N6HHT-Cory, David-Kronmiller, N6NSU-Bill, WA6MHZ-Pat, K6JQE-Pete, KA5Q-Ken, KD6HUH-Ken, KD6IVD-Kelly, WA6MOS-Joe, W6ODG-Aubrey, KK6NS-Phil, WB8BHE-Tom, KE6VX-Bob, KD6TLI-Bob, KD6DNE-Bob, W6HTT-Fred, KD6WDD-Glen, KC6WAN-Ralph, KC6RSF-Mike, WA6ZJC-John, KN6IQ-Larry, N6YRS-Jess, KM6WG-Jennifer, KC6WPF-Ginny, KD6ADJ-Kirk, Craig Baumann, WA6GYG-Bob, N6OJZ-, N6HLY-Carl, David Henderson, KC6PAR-Diane, KC6PAS-Jim, WA1CSO-Joe, KD6WDS-Devin, KD6WDD-Mike, KD6WDP-Susan, W6YLA-Gerald, KD6VWX-Rick, Julie White, KK6CA-Ray, NE6O-Jim, Marvin & Gerry Jones, KA1VFF-PaQuette, Doug Carlson, Mike Robinson, KC6VDX-Johnson, KD6BFN-Garia, WA6HYC-Watt, KD6DLW-Wiechman, N6KI-Dennis, Daryl Schweiger, KD6TVL-Adrian, KD6VLB-Brian, KM6PY-Bill, KC6UQA-Abel, WD6FZX-Ray, WB6THH-Bill, KB6NRL-Fred, N7TTO-James, KD6RFM-Dick, KB6NMK-Jo, N6UZH-xyz KB6NML-AJ Craig Bosworth, Carolyn Bosworth, KM6MJ-David, W6SKI-Ken, W4NYU-Howard, KD6LDK-Mark, W6KTE-R.F., KD6JXY-Paul, WA6KZN-Bob, KD6FQW-Ron, KD6LUO-Denny, KE6HI-Alma,

CHANGES: Kim & Sandy Davis, KO6HUM & KO6HTE, to 4622 El Penon Way, SD 92117-2404; John Betterton, KI6KM, POB218, San Marcos, 92079-0218; Carl N6NZX & Mary KB6NZA Burgess to 220 James St, Escondido 92027; Greg Pettit KC6TAN to 710 E. San Ysidro Blvd #1956, SY 92173-3123; Gayle Olson KM6WF to 17010 Surrey Hills Ct, Poway 92064; WT6W to 2400 Lake View Dr, Heber Springs, AR 72543; Mac McCarthy NH6EW to 2733 Thunder Dr, Ocsd 92056.

New members joining late in the month will be included in next month's SCOPE ..or the next. And if we missed your name but you received a SCOPE with the proper date on the mailing label, consider yourself a member in good standing ...and accept our apology for omitting your name in the newsletter.

The club is selling PARC blue hats with the PARC logo on it for $5 and we are selling the commemorative 5c cent stamp pins for $5. See me at meetings. Sorry, but we are out of the PARC blue shirts. If there is enough interest, we will make up another order. =SK=

I would like to have you check your label after paying your dues to verify that your dues payment has been properly posted. Errors, if any, are more easily fixed sooner rather than later. Most members receive their SCOPE 5-6 days before the next club meeting. The SCOPE is mailed on a Tuesday afternoon, eight days before the club meeting.

CONTES ELECTRIC
Industrial
Commercial
Residential
Lic. # 556187
(619) 749-2699
Joseph Contogenis
P.O. Box 1560
Valley Center
CA 92082
NU6L

Carmel Mountain TRAVEL
Joan Lovell
(619) 673-8500
Fax (619) 673-9070
11885 Carmel Mountain Rd., Suite 905
San Diego, CA 92128

BADGES:The following badges (with notice number) are ready for pickup at the next club meeting:
N6COU=1 KD6EUP=10 KD6GEJ=2 KO6KHS=10 KM6LF=10 KD6RFQ=2 N6RMM=2 KC6TAY=1 WB6THH=10 KC6UGQ=10 KM6ZH=2 WA3IHV=1 WA6UKL=1 KD6YKX=1 KD6YJB=1 WA6MHZ=1 KM6RF=1 N6HHT=1

PARC name badges are $1ea - Contact John-W6OLQ at meetings or 672-3891 SD. Hurry! John might sell your call to someone else! We would hate to see someone else wearing YOUR badge. If anyone knows these members and can get their badges to them, please see John at the next meeting.

********** TOP 20 **********
- DXCC and W.A.S. -

| | CALL | WORKED | CONFIRM | STATES |
|---|---|---|---|---|
| 1 | WA6YOO | 313 | 311Ph | __-__ |
| 2 | WA6YOO | 224 | 223CW | __-__ |
| 3 | WA6HYB | 202 | 194CW | 50-50 |
| 4 | AA6EE | 200 | 180 | 50-50 |
| 5 | WB6NBU | 181** | 145 | 50-50 |
| 6 | KI6JM | 193 | 136 | __-__ |
| 7 | KC6QXU | | 79*** | 50-50 |
| 8 | AA6TR | 1* | __CW | __-__ |
| 9 | W9FQN | 1 | 1Ph | 1-__ |
| 20 | _____ | ___ | ___ | __-__ |

*= 1 watt ***= 10m only
**=120 w/AEA isoloop in attic

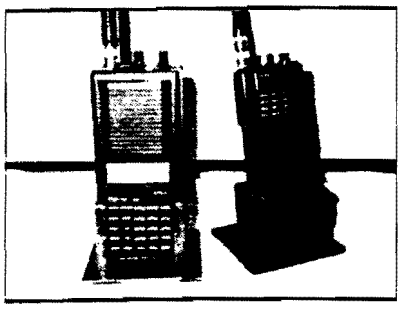
Please send in your WORKED-CONFIRMED and STATES to the editor for publication so we can see who the top 20 are in the club. Break them down by phone/CW. At present ur editor is in 9th place after 23 years of living in California.

There are presently 326 countries but about 70 have been "done away" with for one reason or another so it is possible that a person could have worked almost 400 countries over the years. Most ARRL lists at present show about 350 as the maximum credit given. -SK-

The following contest results were turned in:
Sept. CQ Worldwide DX SSSB Contest:
163Q,43Zs, 68Coun. 42,065pts, AA6EE
Oct. CQ Worldwide DX CW Contest:
211Q,74Zs,106Coun. 93,420pts, AA6EE

1992 ARRL November Sweepstakes
CW KA5Q-Ken, 2nd place single op, SD Section
N6KI-Dennis, 8th place SD
SSB N6KI-Dennis, 1st place SD & 3rd in the USA multi-op
Ops: KC6VEC, KI6IM, KM6XA, N6RUV, N6UZH, N6WDN, WB6NBU
(had clean sweep of 77 sections)

REGISTERED
U.S. PATENT ATTORNEY
723-0620
Loyal M. Hanson - W9WV
Fallbrook, California



**Handy Holder**
Perfect for setting your hand held radio or hand held scanner in mobile or home use. Powder coated. Steel construction. Padded. Lifetime warranty. Custom applications available.
619-745-9952
KD6MKH
Escondido, CA 92033
$14.00 and up

1992 ARRL November Sweepstakes CW AA6EE, 9th place Single Op SD SSB AA6EE, 4th place Single Op SD

When you are in a contest please send ur editor ur scores ASAP after being published.

C H A L L E N G E  C O U R T

By POPULAR DEMAND the following ladder board has been established for club members:
RACKETBALL: 1(KI6TG), 2(WB9COY), 3(N6KI), 4(KI6RF), 5(__?__).
SAILING: 1(W6QCA), 2(AA6TR), 3(__?__).
TABLE TENNIS: 1(W6OLQ-m), 2(W9FQN-m), 3(KA6FPS-f), 4(N6QDB-f), 5(N6YZZ-f), 6(__?__).
TENNIS(singles): 1(NU6L), 2(W9FQN), 3(__?__).
TENNIS(doubles): 1(NU6L/W9FQN), 2(__?__).
TENNIS(mixed dbls): 1(KA6FPS/W9FQN), 2(__?__).

If you would like to get on the board or change your position, challenge for the position you want. Good luck.

If you have any suggestions for other ladders, contact your editor. The purpose of the ladder boards is to give our members a chance to meet each other at a non-radio setting.

5 Y E A R S  A  G O G O

9-88: ..Susan-N6QDB, Carl-N6NZX, and Stan-W9FQN installed the new battery-generator shed base ..program by Joe-WA6VNR on Samoa, Fiji, Tonga and Rarotonga ..FCC emasculates 220 MHz band ..congratulations to Charles Miele who went from no license to Tech with flying colors ..Bob-W6BXJ SK ..tnx to Larry-WA6UTQ for several hundred more ampere hours of repeater backup ..Bill-N6COU takes over Giant computer.

- V E  T E S T I N G -
(Rusty-AA6OM 747-5872)

N.Co.FCC LICENSE EXAMS by PARC VE Team @ Carlsbad Safety Ctr, Carlsbad (Camino Real to Faraday, 14F6, follow CSC signs East) on 2nd Sat. @ 10am. Reservations less than 2da in advance & walk-ins not normally accepted. VE info: call 465-Exam.

610 forms available: HRO, 5375 Kearney Villa Rd. or at club meetings.

AUGUST 14th TESTING:

ADV->EXTRA: Chris Allen (14 years old).

NOV->TECH: Chuck Rininger.

NONE->TECH: Thor Bergman, John Crossan, David Heim, Chuck Little-

field, Terrance Monney, Eric Snider, Nancy Vollmer, & Pete Vollmer.

OTHER: Lorie Merrell (el.2).

EXAMINING JUNE TEAM: Paul-KB5MU, Sam-W6YYV, Bill-WA6HUC, Duane-WB6R, Jack-KI6JM, & Bob-KE6VX.

- - - - - - - - - - -

SPECIAL JULY TESTING:

Tested 16 for 20el with 15 passes.

NONE->NOVICE: John Wills.

NONE->TECH+: Joyce Black, Barbara Trapp, & Isaac Dominguez.

TECH->TECH: John Campbell Jr., Chris Dominguez, Iona Seay, Pete Uehling, Eugene Chappie, Glen Hoover, & Greg Spangler

TEST TEAM: not available.

73, Rusty-AA6OM, VE Team Leader

- F U N N I E S -

Contributions to this column are encouraged - W9FQN.

DENNIS-N6KI when talking to a "third party" contact was heard to say "I am sure you will like your license when you get it ..it will be just like the American Express Card ..you won't leave home without it."

An then there was the Ham who wanted to join the MARS net so he could talk to UFO's! (de KC6YSO)

..and from Bill-KB6MCU: DIPOLE-Very sick tadpole. OHM- Where a British ham lives. ..yes, I'm looking for a job - I need a vacation. VOLTS- What a politician needs to get elected.

- N E W S -

Contributions to =NEWS= should be sent to your editor by the 20th of the month.

The ARRL Educational Activities Department now has an 800 number for prospective new amateurs: (800) 32NEW HAM, or (800) 326-3942. Staff members will answer calls and questions from 8:00 am to 5:00pm ET, Monday-Friday. An answering machine will be on the line at other times. The number is EXCLUSIVELY for the use of PROSPECTIVE amateurs. (de HANDI-HAM) =SK=

The ARSENE AMATEUR RADIO SATELLITE was successfully launched May 12th. Main downlink 145.975 MHz. When final checkout is completed it will xmt AX.25 FM packet. AOS is 12hrs every two days or so. Apogee 36,000KM, perigee 17,000KM, & inclination 1deg.

P3D Satellite Frequencies:

Downlink:

1. 10.451000 - 10.451500 GHz
2. 2400.500 - 2400.900 MHz
3. 436.000 - 436.400 MHz
4. 29.310 - 29.350 MHz

Uplink:

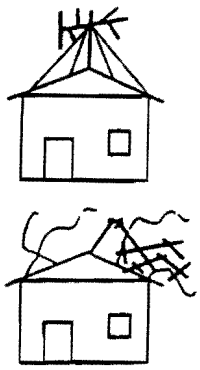
1. A: 1268.500 - 1269.000 MHz
   B: 1269.000 - 1269.500 MHz
2. A: 435.200 - 435.700 MHz
   B: 436.000 - 436.500 MHz
3. 145.800 - 145.975 MHz

Need a new QTH
or
want to sell yours?

Call Clara Ziegler
943-8366
to be your agent for
north county coastal
properties

COLDWELL BANKER
Expect the best
REALTOR®

Pete W3ARU's XYL



If your antenna system looks like this and you want it repaired, replaced or even removed, please call for a free estimate!
Radio systems installation, repair and removal, and interferance resolution.

Edward Ross, N6GZI
542-1405

Antenna Specialties

All bands except for the 29MHz band are switched in a matrix and allow any configuraton of operational modes. No 2m downlink freq because of QRM. (CROSSTALK, TRW ARC) =SK=

CELLULAR PHONES can be dangerous as reported by State Farm Ins. Co. It seems as though they lower you attentiveness by 20%. An intense conversation can cut your concentration by a third ..and the more intense your conversation gets, the more likely you are to make a mistake on the road. There should be a message here for mobile amateur radio operators ..and those also using the autopatch. BE CAREFUL! =SK=

BATTERY TIP: you can buy handy-talkie battery innards from TNR who advertises in World Radio. They sell just the wired cells or clone packs for ICOM, Kenwood, Yaesu, Alinco(?) HTs. To "crack" your pack, put it in the freezer until the glue freezes, then pop them apart. =SK=

DESTINATED: some hams do not like the word DESTINATED applied when "arrives" at his destination. It does not appear in the dictionary ..nor does the word "lid" as hams apply it to someone who doesn't know "how things are to be done." Other "coined" words which are now in the dictionary are computer, byte, kilobyte, etc. ..some day "destinated" will be in the dictionary also. (N7WMS de World Radio) =SK=

As an amateur radio operator you might find yourself in situations when you might want to DETAIN SOMEONE: thief, jammer, etc. NEVER PHYSICALLY DETAIN ANYONE YOU THINK IS A THIEF OR JAMMER. A counter charge by the person for unlawful detention may be more serious than your charge of theft or jamming. Instead, write down his license plate number or house number. Immediately contact the police for theft or a club official for jamming who will contact the proper local ARRL official who will work with the FCC. =SK=

If you (or someone you know -

Ed) needs a talking watch, there's a new one on the market that distinguishes itself in two ways. First, it talks you through the setting functions, so you don't have to depend on someone else to set your watch. Second, it's cheap ...under $16. At that price you could afford to buy one for each wrist! The Round Talking Watch is available from Independent Living Aids, 27 East Mall, Plainview NY 11803, (800) 537-2118. (de HANDI-HAM) =SK=

FROM SCHOOL: 95% of all student class work is at level 1 (knowledge level). Knowledge level does not transfer well and 60% of all knowledge level instruction is forgotten in 24 hours, 85% in 3 months. If a student coaches or teaches another student, 90% is retained. The coach learns more than the coachee (i.e. an electronics teacher doesn't understand electronics well until he or she teaches it and has to answer the student's questions.) =SK=

The proposed subbands for automatic digital control are as follows:

28.120 - 28.189 MHz
24.925 - 24.930 MHz
21.090 - 21.100 MHz
18.105 - 18.110 MHz
14.095 - 14.0995 MHz
14.1005 - 14.112 MHz
10.140 - 10.150 MHz

Club members are reminded that our club president, Harry-WA6YOO, has appointed Bill Kane, WZ3P, as a Field Checker for high frequency Worked All States (WAS) award and for very high frequency WAS award, Ms. Dee Crumpton, N6ELP. =SK=

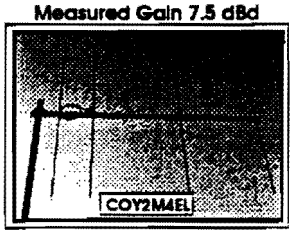
FLASH! PHIL-KC6TYT REPORTS HEARING BOTH SIDES OF OUR MEXICAN (LADY/MAN) CONVERSATION ON THE INPUT (146.13) NEAR MERIDIAN & CORONADO AND PALM AVE/I-5. SHE IS SO STRONG PHIL GETS HER EVEN DOWN ON 145.150! WHEN CHECKING 146.130 LOOK UP AND DOWN 5-30KC SINCE THEY MIGHT HAVE MOVED OFF OF 146.13 DURING THE PAST TWO WEEKS BUT STILL CLOSE ENOUGH TO KEY UP THE REPEATER. WE ARE GETTING A LOT OF "FALSING" WHICH COULD BE THEM JUST OFF FREQUENCY OF 146.13.

#SK#####################SK#
# -WB6EOT- #
# Verl Thornsberry of #
# Omaha, Arizona died on #
# January 3, 1993. He will #
# be missed by all who #
# knew him in PARC. #
#SK#####################SK#

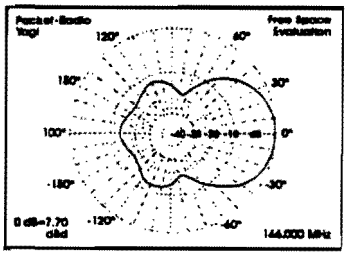
Swiech Communication Systems

Two Meter Yagi Great for Packet Radio or FM

Measured Gain 7.5 dBd




H-Plane beamwidth 60 deg
Bandwidth 144.5-147.5 MHz
SWR < 1.7 at Band Edge
Impedance 50 ohm
Silver Plated Teflon SO-239
Maximum Power 500 Watts
Chemfilm Treatment On Brackets
Balanced Matching System
Two Part RTV Potting
Black Delrin Insulators



(619) 748-2286
Gene Swiech, WB9COY

Dave-WA6HQM, reminds us that the Heath Company no longer does repair work. They will offer verbal assistance only and will charge for that. Someone who worked for Heath is trying to start a repair business for those who can't make their own fixes: Greg Vance, 827 Shawnee Rd., Baroda, MI 49101, 616-422-1698. =SK=

By the year 2000, the median age in the USA will be 36. This is 6yrs older than any other time in the history of the USA. In 1950 there were 18 workers sharing the cost of each retiree and in 2035 there will only be 2 workers supporting. =SK=

THIS YEARS ROUND-UP (Aug 29th) WILL FEATURE DISPLAYS BY MANY OF SAN DIEGO'S DISASTER AND EMERGENCY SERVICES AS WELL AS AMATEUR RADIO CLUBS AND SERVICES.

THROUGH THE GENEROSITY OF GENERAL DYNAMICS, CONVAIR DIVISION, THE ROUND-UP WILL BE HELD AT MISSILE PARK IN KEARNEY MESA.

ADMITTANCE IS OPEN TO ALL LICENSED AMATEUR RADIO OPERATORS AND THEIR GUESTS. (de Richard Medhurst-KD6BFO, Public Information Coordinator San Diego Sec. ARRL 619-560-6109) =SK=

PARC received a letter from Lt. Don Heid, 235 W. Brook St., Barrigada, Guam 96913 requesting an HF phone patch or relay traffic to San Diego. He is a Navy C-2 pilot with a high powered radio in the C-2. (not sure about the legality of this since he gave no call sign -Ed) =SK=

WORLD RADIO MAGAZINE: $14/yr, mail to Worldradio, 520 Clavados, Sacramento, CA 95815. The magazine uses newspaper style type and print and covers news and information about amateur radio subjects. Great general purpose magazine. See your editor for a "look see" at the next club meeting. (from time to time we quote some of their articals or publish some of their humor -Ed)

The North County YL (young ladies) Club meets every other month at members homes. Meetings are ususally held on the fourth Saturday of the month at 11:30 A.M. A potluck luncheon is shared by members and any OM who cares to attend. The OM have their own gathering and fellowship while the ladies have a short business meeting. For information on the next meeting please contact Dee-N6ELP at 753-5647 or Marguerite-W6LND at 492-9512. =SK=

Dee-N6ELP (753-5647) is looking for four hammy hams (OMs) to play parts in the Wouff Hong initiation for the 1994 South West Division conference. This is th last weekend in August. =SK=

Nash-W6HCD and the Flying Samaritans (Samaritanos del Aire)

are looking for helpers to help out at the El Testerazo medical-dental clinic and the Tecate Eye Clinic. They can use medical doctors & technicians, Spanish speakers, runners, and secretaries. If you can help contact Nash at 728-3574. They also can use old eye glasses at the Tecate Eye Clinic. The next clinics are September 11th, and October 9th. These are "drive to" clinics in contrast to the Rancho Rosarito which is a two day "Fly-to" clinic. =SK=

L.A. WATCHES & WAITS: two new faults are found beneath the metro area. The odds of a major quake hitting L.A. in the next 30 years are steep(60%). =SK=

LARRY-WA6UTQ sent us a copy of the Hualapai Amateur Radio Club newsletter from Kingman, AZ, in which there was a copy of a letter which Larry sent to them about our Oceanside Swap Meets plus an invitation to use our repeaters when in the San Diego area.

KINGMAN CLUB

146.760- wide coverage
146.610- Lake Havasu
144.570+ Bullhead

(Tnx Larry, I like to see other newsletters and additional publicity for PARC -Ed)

Al-N6GNB sends along the following net schedule for NARFE which is the National Association of Retired Federal Employees:

NET East Center West Pacif Nationl
FREQ 7.244----------> 14.240
TIME 1700Z 1800Z 1900Z 2000Z 2100EDT
DAY Wed---------->
NCS K3EC WG9X _____ _____ N3IEX

Everyone is welcome. =SK=

## T E C H N I C A L

Ur Editor will accept items submitted by the membership

(de W9FQN) I recently installed a battery in my tent-trailer so that when I go camping I will have about 80AHr of 12vdc for amateur radio operation with my VHF/UHF HT or with my HF Yaesu-757 rig. Mounting batteries in a camper of this type many times is disasterous since they are installed and forgotten until you go camping and then find that their original charge has dissipated during storage and are useless or destroyed.

At one of the recent swap meets in Oceanslide (2nd Sat) I noted a large number of solar cells (near the Larry's PARC booth) selling for $2 each and rated at 300ma. I mounted four of them on a sheet of plywood and obtained an open circuit voltage of 15.27v but charging into 12.5v batteries they only produced 200ma which makes me think that I should put five of them in series.

The solar cells are not meant to really charge the batteries but only to keep them topped off when not in use although they do add around two watts of power or about 2AHr per day with sunshine. At that rate it would take 40days (80AHr/2AHr/da) to charge them from complete discharge.

These cells would probably do a great job of charging 7.2v or 12v HT nicads for those who like to hike and take along their HTs. I will bring the panel to the next club meeting. =SK=

## F C C U P D A T E

FCC licenses soon should take only 10 days to process rather than the present 6 weeks. An FCC BBS might take as little as one or two days! =SK=

All Novice exams from now on are to be given by the VE Testing teams in San Diego Co. =SK=

The FCC suspends semi-annual tests for COMMERCIAL radio operator licenses: they send you a copy of the exam and have you take the test in front of another commercial radio operator with equal or higher class license. FCC93-149 =SK=

$2000 fine to non-licensed man for allegedly causing interference to a 2-meter repeater. =SK=

Florida woman fined for unlicensed 2m operation: $2,000. NH6UC fine for allegedly operating on 145.53MHz: $2,000. Two others fine $2,000 each for "Out-of band" CB operations. =SK=

SD.Co. AMATEUR sentenced for jamming a police channel. Eyman-KC6TYR, an amateur Technician class licensee, was sentenced to three years of supervised probation and 250 hours of community service for violating federal statutes in jamming a SDPD tactical operations radio channel. Eyman must deprogram and demodify all his amateur radio equipment to remove all public safety frequencies. (de FCC & ARRL letters) =SK=

Club members are reminded that they should refrain from asking the FCC to rule on questions that they might have: interference, what is legal, etc. These questions should be put to the ARRL for answers. History has shown that asking the FCC to rule on something could be disasterous for the amateurs. It is best to get the opinion of the legal staff of the ARRL first. =SK=

License applications can be obtained from the charming Public Affairs officer, June Butler, FCC Field Ops Bureau, 4542 Ruffner Suite 370, SD CA 92111-2216. Ph 467-0549 ..or from Jo-KB6NMK or Stan-W9FQN at club meetings. =SK=

SWAP NETS: Amateurs are permitted to participate in selling their equipment over the air without fear of being cited by the FCC for business communications. Under Part 97 (rewrite) "Communications to inform other amateur operators of the availability of apparatus normally uused in an amateur station are not considered business communications." (97.219(c)).

The asking price may be mentioned, "but no subsequent negotiations or barting may take place. Operators may exchange adresses or telephone numbers and finish negotiations using other forms of communications other than amateur frequencies. =SK=

BROADCASTING: Amateurs may convey news information 1)if the event is unforeseen; 2)the news information is directly related to the event; 3)the event involves the safety of human life or the immediate protection of property; and 4) the news information cannot be transmitted by any means other than Amateur Radio because normal communication systems have been

## PARC Membership Application

| | |
|---|---|
| AMATEUR CALL | |
| CLUB MEMBERSHIP? | ☐ NEW ☐ RENEW |
| ARRL MEMBER? | ☐ YES ☐ NO |
| LAST NAME | |
| FIRST NAME | |
| STREET ADDRESS | |
| CITY | |
| STATE ZIP | |
| HOME PHONE | |
| WORK OR OTHER PHONE | |
| HAM LICENSE EXPIRES | |
| FAMILY MEMBERSHIP (List other calls and names) | |
| CLASS OF LICENSE | N T T+ G A E |

1993

Mail this form with your check to PARC, P.O. Box 73, Vista, CA 92085-0073 or hand to membership chairman at club meetings. We prefer checks to cash, it's safer and you have a record. Dues are $12 a year which includes $3 for the Scope, or $21 for a family all at the same address. Consider paying for two or three years at a time to reduce the work for the membership chairman.

Name, call and complete address are required. Telephone number is requested but may be unlisted in roster if you prefer.

For notification of acceptance send SASE with application or the receipt of the next newsletter mailed the last week of each month will be your only notification.

## Escondido RACES Thanks

Tim Low N6ZUC our new Escondido Assistant RACES Station Manager is working very hard to put together a packet station at the Escondido Police Station. So far he has obtained donations of a computer, a hard drive, a keyboard and a TNC. We still need a monochrome monitor and a small printer if anyone has either laying around that they could donate please call me or Tim. Thank you Dave, KC6VEC for the computer; Sybil, W6GIC for the keyboard and hard drive; and PARC for the TNC.

Jo Ashley, KB6NMK
Escondido RACES Station Manager

disrupted or because there are not other communication systems available at the place where the information is originated (97.219(f). =SK=

SWEATER SATURDAY: Jointly sponsored by SDG&E, Vons & KGTV. Goal is to collect thousands of sweaters and sweatshirts in a single day -October 9th- and make them available to people who really need them. BRING YOUR OLD SWEATERS TO THE WEDNESDAY MEETING!

PARC wants to hear your call sign on your first transmission, every 10 minutes, and on your last transmission. We want to hear it at the beginning of an autopatch BEFORE the repeater code and at the end of the autopatch BEFORE turning off the autopatch with a "#". =SK=

FCC bans cellular telephone scanners 824-849 and 869-984 MHz. =SK=

ARRL is requesting the FCC to re-open CLUB CALL SIGNS requests. Its great we have been able to keep W6NWG throughout the years. =SK=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